

Appendix table 5-3
Federal obligations for academic R&D, by agency: 1970–2009

Year	All agencies	DOD	DOE ^a	NASA	NIH ^b	NSF	USDA	All other agencies
Current \$millions								
1970	1,476	216	100	131	518	228	65	217
1971	1,645	211	94	134	603	267	72	264
1972	1,904	217	85	119	756	362	87	277
1973	1,917	204	83	111	761	374	94	289
1974	2,214	197	94	99	1,027	389	95	312
1975	2,411	203	132	108	1,077	435	108	348
1976	2,552	240	145	119	1,185	437	120	307
1977	2,905	273	188	118	1,311	511	140	364
1978	3,375	383	240	127	1,493	537	186	408
1979	3,889	438	260	139	1,880	617	200	355
1980	4,263	495	285	158	2,012	685	216	412
1981	4,466	573	300	171	2,101	702	243	376
1982	4,605	664	277	186	2,140	715	255	369
1983	4,966	724	297	189	2,392	783	275	306
1984	5,547	830	321	204	2,715	880	261	335
1985	6,340	940	357	237	3,158	1,002	293	352
1986	6,559	1,098	345	254	3,243	992	274	355
1987	7,337	1,017	386	294	3,903	1,096	280	361
1988	7,828	1,071	406	338	4,199	1,143	305	366
1989	8,672	1,189	454	434	4,565	1,254	328	449
1990	9,138	1,213	500	471	4,779	1,321	348	505
1991	10,169	1,152	621	534	5,521	1,436	386	520
1992	10,271	1,403	640	586	5,064	1,540	438	600
1993	11,208	1,616	583	614	5,848	1,562	433	553
1994	11,797	1,703	565	641	6,191	1,680	439	577
1995	11,928	1,589	594	708	6,271	1,734	435	597
1996	11,978	1,447	601	665	6,620	1,740	376	529
1997	12,559	1,345	583	719	7,057	1,819	441	595
1998	13,381	1,419	623	787	7,565	1,875	415	697
1999	14,959	1,474	630	787	8,761	2,076	492	739
2000	16,821	1,606	668	845	10,087	2,265	554	796
2001	19,588	2,285	743	942	11,528	2,498	652	939
2002	21,290	2,219	762	1,075	13,062	2,696	592	885
2003	22,693	1,934	790	1,096	14,350	2,978	641	904
2004	24,170	2,036	854	1,171	15,184	3,122	653	1,150
2005	24,842	2,192	831	1,098	15,657	3,072	710	1,282
2006	24,336	2,096	858	975	15,489	3,112	727	1,079
2007	25,548	2,615	765	553	16,569	3,266	723	1,057
2008	26,027	2,363	817	1,152	16,569	3,379	708	1,039
2009	31,564	2,425	1,332	730	20,175	5,095	714	1,093
ARRA	5,130	4	410	11	3,085	1,598	*	22
non-ARRA	26,434	2,421	922	719	17,090	3,497	714	1,071
2005 constant \$millions								
1970	6,069	888	411	539	2,130	938	267	892
1971	6,443	826	368	525	2,362	1,046	282	1,034
1972	7,150	815	319	447	2,839	1,359	327	1,040
1973	6,820	726	295	395	2,707	1,330	334	1,028
1974	7,219	642	306	323	3,349	1,268	310	1,017
1975	7,184	605	393	322	3,209	1,296	322	1,037
1976	7,191	676	409	335	3,339	1,231	338	865
1977	7,695	723	498	313	3,473	1,354	371	964
1978	8,354	948	594	314	3,696	1,329	460	1,010
1979	8,887	1,001	594	318	4,296	1,410	457	811
1980	8,928	1,037	597	331	4,214	1,435	452	863
1981	8,552	1,097	574	327	4,023	1,344	465	720

Appendix table 5-3
Federal obligations for academic R&D, by agency: 1970–2009

Year	All agencies	DOD	DOE ^a	NASA	NIH ^b	NSF	USDA	All other agencies
1982	8,311	1,198	500	336	3,862	1,290	460	666
1983	8,622	1,257	516	328	4,153	1,359	477	531
1984	9,281	1,389	537	341	4,542	1,472	437	560
1985	10,296	1,526	580	385	5,128	1,627	476	572
1986	10,421	1,745	548	404	5,153	1,576	435	564
1987	11,330	1,570	596	454	6,027	1,692	432	557
1988	11,685	1,599	606	505	6,268	1,706	455	546
1989	12,474	1,710	653	624	6,566	1,804	472	646
1990	12,657	1,680	693	652	6,619	1,830	482	699
1991	13,602	1,541	831	714	7,385	1,921	516	696
1992	13,421	1,833	836	766	6,617	2,012	572	784
1993	14,329	2,066	745	785	7,476	1,997	554	707
1994	14,770	2,132	707	803	7,751	2,103	550	722
1995	14,628	1,949	728	868	7,691	2,127	533	732
1996	14,416	1,741	723	800	7,967	2,094	453	637
1997	14,852	1,591	689	850	8,346	2,151	522	704
1998	15,648	1,659	729	920	8,847	2,193	485	815
1999	17,240	1,699	726	907	10,097	2,393	567	852
2000	18,960	1,810	753	952	11,369	2,553	624	897
2001	21,589	2,518	819	1,038	12,706	2,753	719	1,035
2002	23,091	2,407	826	1,166	14,167	2,924	642	960
2003	24,106	2,054	839	1,164	15,243	3,163	681	960
2004	24,972	2,104	882	1,210	15,688	3,226	675	1,188
2005	24,842	2,192	831	1,098	15,657	3,072	710	1,282
2006	23,575	2,030	831	944	15,004	3,015	704	1,045
2007	24,050	2,462	720	521	15,597	3,074	681	995
2008	23,970	2,176	752	1,061	15,260	3,112	652	957
2009	28,765	2,210	1,214	665	18,386	4,643	651	996
ARRA	4,675	4	374	10	2,811	1,456	*	20
non-ARRA	24,090	2,206	840	655	15,575	3,187	651	976

Year	Percent distribution							
	All agencies	DOD	DOE ^a	NASA	NIH ^b	NSF	USDA	
1970	100.0	14.6	6.8	8.9	35.1	15.4	4.4	14.7
1971	100.0	12.8	5.7	8.1	36.7	16.2	4.4	16.0
1972	100.0	11.4	4.5	6.3	39.7	19.0	4.6	14.5
1973	100.0	10.6	4.3	5.8	39.7	19.5	4.9	15.1
1974	100.0	8.9	4.2	4.5	46.4	17.6	4.3	14.1
1975	100.0	8.4	5.5	4.5	44.7	18.0	4.5	14.4
1976	100.0	9.4	5.7	4.7	46.4	17.1	4.7	12.0
1977	100.0	9.4	6.5	4.1	45.1	17.6	4.8	12.5
1978	100.0	11.3	7.1	3.8	44.2	15.9	5.5	12.1
1979	100.0	11.3	6.7	3.6	48.3	15.9	5.1	9.1
1980	100.0	11.6	6.7	3.7	47.2	16.1	5.1	9.7
1981	100.0	12.8	6.7	3.8	47.0	15.7	5.4	8.4
1982	100.0	14.4	6.0	4.0	46.5	15.5	5.5	8.0
1983	100.0	14.6	6.0	3.8	48.2	15.8	5.5	6.2
1984	100.0	15.0	5.8	3.7	48.9	15.9	4.7	6.0
1985	100.0	14.8	5.6	3.7	49.8	15.8	4.6	5.6
1986	100.0	16.7	5.3	3.9	49.4	15.1	4.2	5.4
1987	100.0	13.9	5.3	4.0	53.2	14.9	3.8	4.9
1988	100.0	13.7	5.2	4.3	53.6	14.6	3.9	4.7
1989	100.0	13.7	5.2	5.0	52.6	14.5	3.8	5.2
1990	100.0	13.3	5.5	5.2	52.3	14.5	3.8	5.5
1991	100.0	11.3	6.1	5.3	54.3	14.1	3.8	5.1
1992	100.0	13.7	6.2	5.7	49.3	15.0	4.3	5.8
1993	100.0	14.4	5.2	5.5	52.2	13.9	3.9	4.9
1994	100.0	14.4	4.8	5.4	52.5	14.2	3.7	4.9

Appendix table 5-3
Federal obligations for academic R&D, by agency: 1970–2009

Year	All agencies	DOD	DOE ^a	NASA	NIH ^b	NSF	USDA	All other agencies
1995	100.0	13.3	5.0	5.9	52.6	14.5	3.6	5.0
1996	100.0	12.1	5.0	5.6	55.3	14.5	3.1	4.4
1997	100.0	10.7	4.6	5.7	56.2	14.5	3.5	4.7
1998	100.0	10.6	4.7	5.9	56.5	14.0	3.1	5.2
1999	100.0	9.9	4.2	5.3	58.6	13.9	3.3	4.9
2000	100.0	9.5	4.0	5.0	60.0	13.5	3.3	4.7
2001	100.0	11.7	3.8	4.8	58.9	12.8	3.3	4.8
2002	100.0	10.4	3.6	5.0	61.4	12.7	2.8	4.2
2003	100.0	8.5	3.5	4.8	63.2	13.1	2.8	4.0
2004	100.0	8.4	3.5	4.8	62.8	12.9	2.7	4.8
2005	100.0	8.8	3.3	4.4	63.0	12.4	2.9	5.2
2006	100.0	8.6	3.5	4.0	63.6	12.8	3.0	4.4
2007	100.0	10.2	3.0	2.2	64.9	12.8	2.8	4.1
2008	100.0	9.1	3.1	4.4	63.7	13.0	2.7	4.0
2009	100.0	7.7	4.2	2.3	63.9	16.1	2.3	3.5
ARRA	100.0	0.1	8.0	0.2	60.1	31.2	*	0.4
non-ARRA	100.0	9.2	3.5	2.7	64.7	13.2	2.7	4.1

* = non-zero but < \$500,000

DOD = Department of Defense; DOE = Department of Energy; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = U.S. Department of Agriculture; ARRA = American Recovery and Reinvestment Act of 2009

^aDOE data for 1970–73 from Atomic Energy Commission, for 1974–76 from Energy Research and Development Administration, and for 1977 and thereafter from DOE.

^bNIH data include Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA), an agency in the Department of Health and Human Services replaced in 1992 by the Substance Abuse and Mental Health Services Administration. Three research entities of ADAMHA (National Institute of Mental Health, National Institute on Alcohol Abuse and Alcoholism, and National Institute on Drug Abuse) merged at that time into NIH.

NOTES: Detail may not add to total because of rounding. See appendix table 4-1 for gross domestic product implicit price deflators used to convert current dollars to constant 2005 dollars.

SOURCES: National Science Foundation, National Center for Science and Engineering Statistics, Federal Funds for Research and Development: FY 2009–11; and Federal Funds for Research and Development: Detailed Historical Tables: FY 1970–2003, NSF 04-335 (2004), <http://www.nsf.gov/statistics/nsf04335/tables.htm>.